

SOFCs can theoretically operate on hydrocarbon fuels

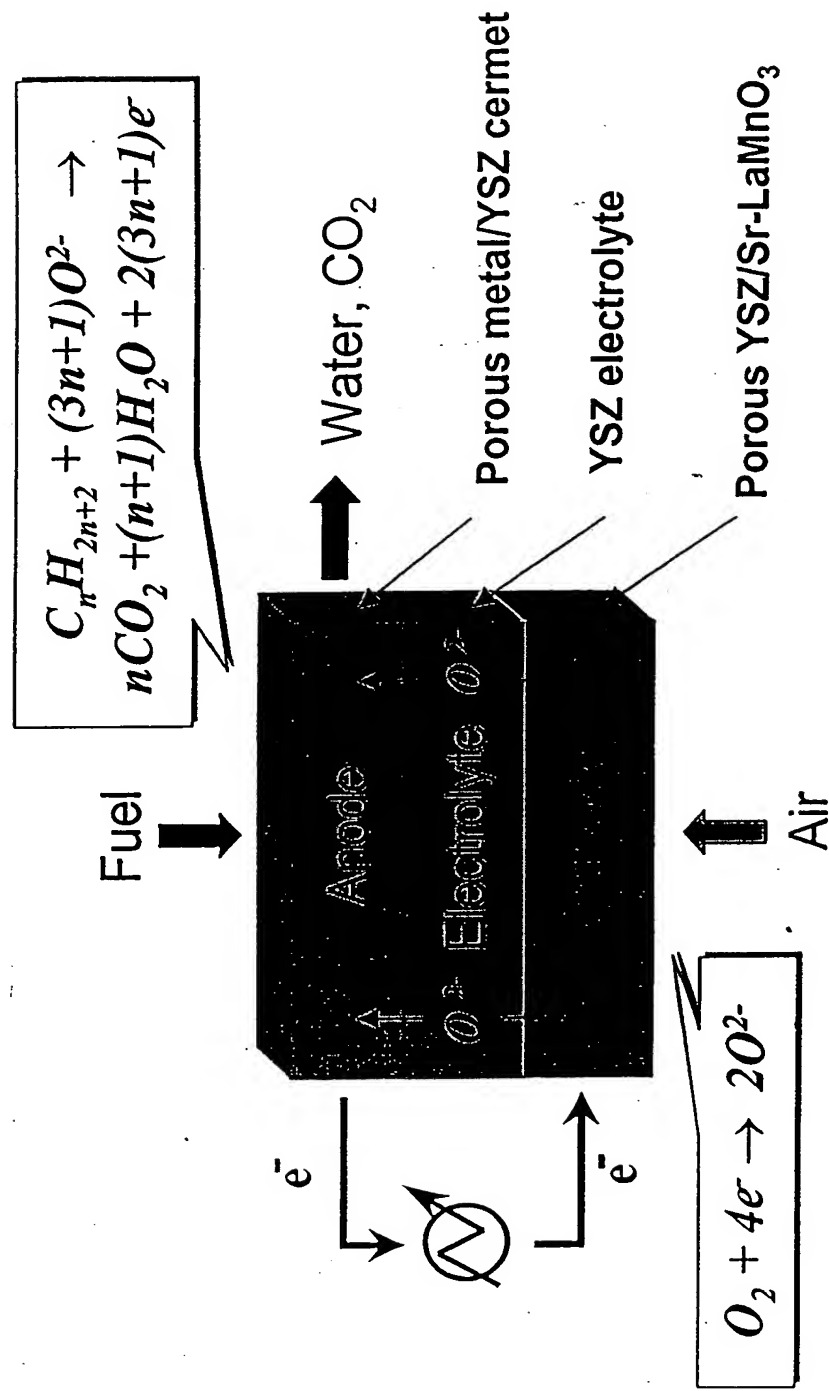


FIGURE 1A

FOOT" S80ES00T

Stable in liquid fuels

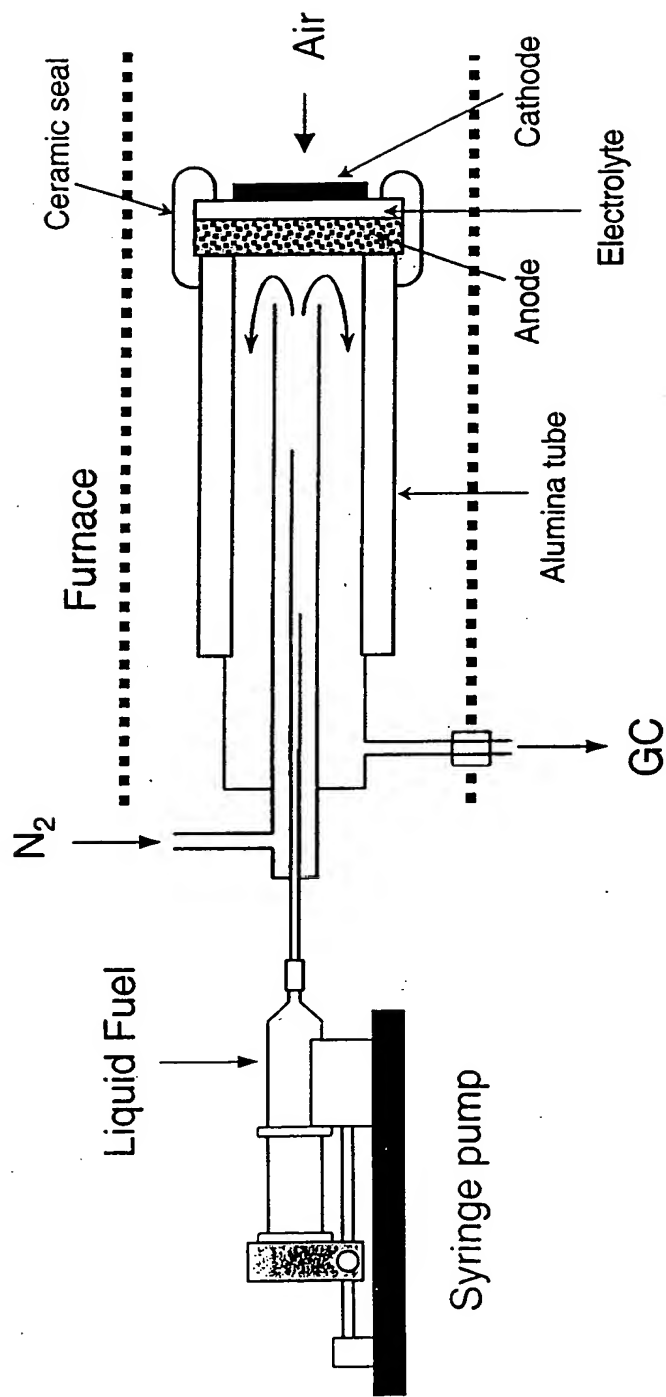
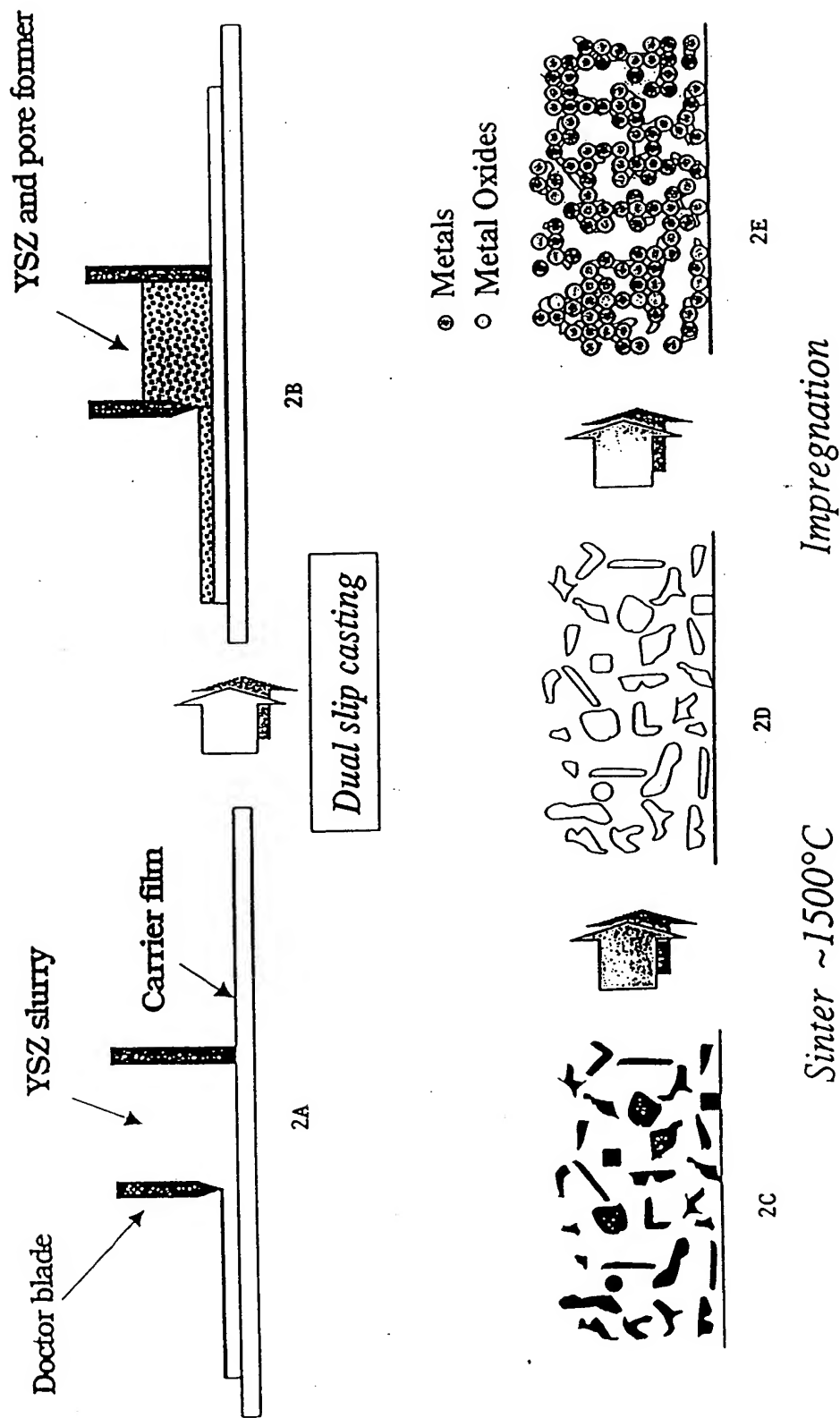


FIGURE 1B

FOOT" S80ES00T

Fabrication methods:



FIGURES
2A - 2E

We can remake Ni cermets.

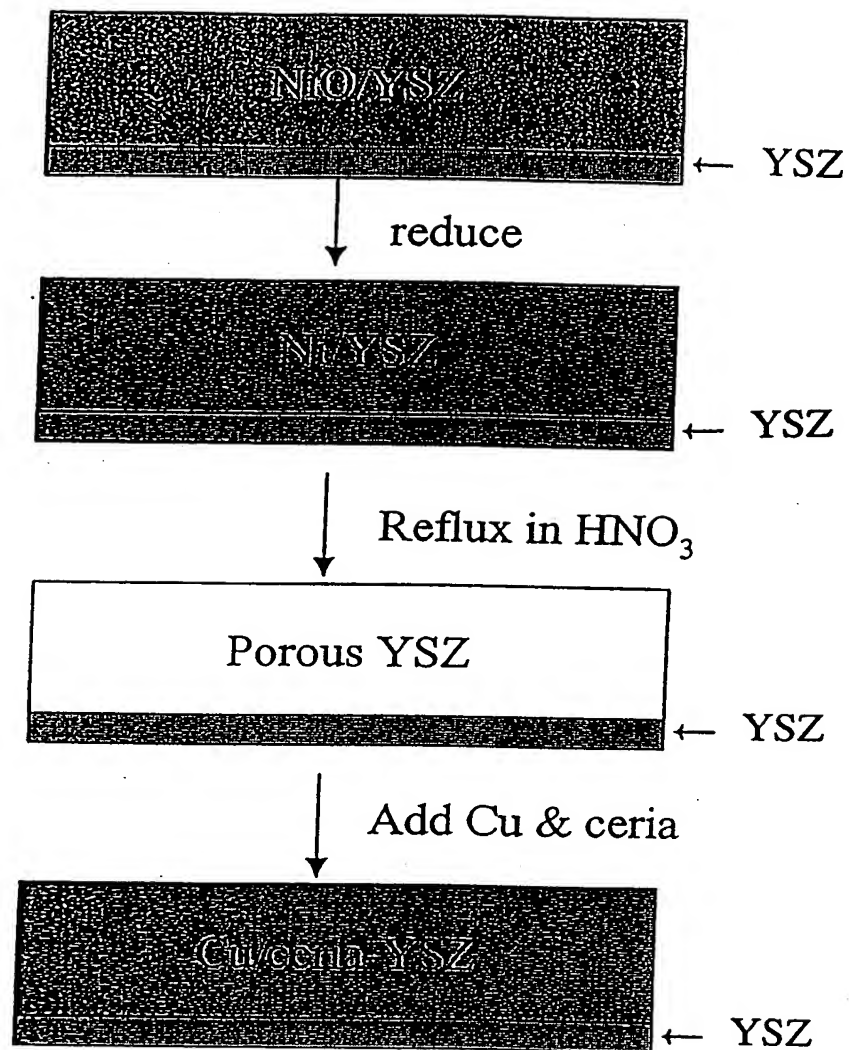


FIGURE 3

10053085-110901

FOOT" S80ES00T

Can we make cells that are stronger?

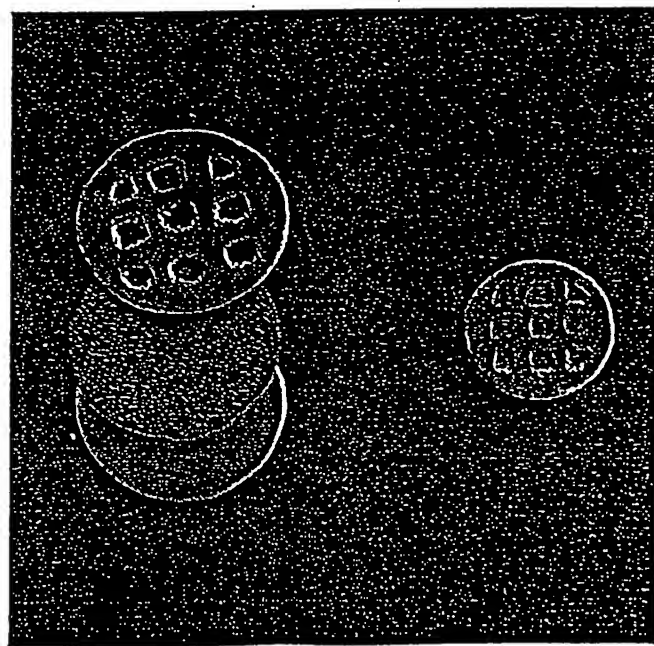


FIGURE 4A

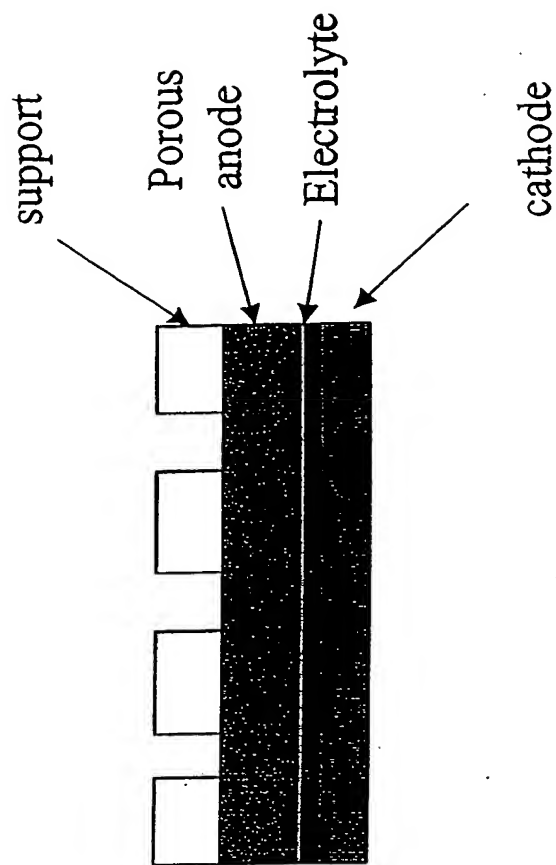


FIGURE 4B

1050T-5805500T

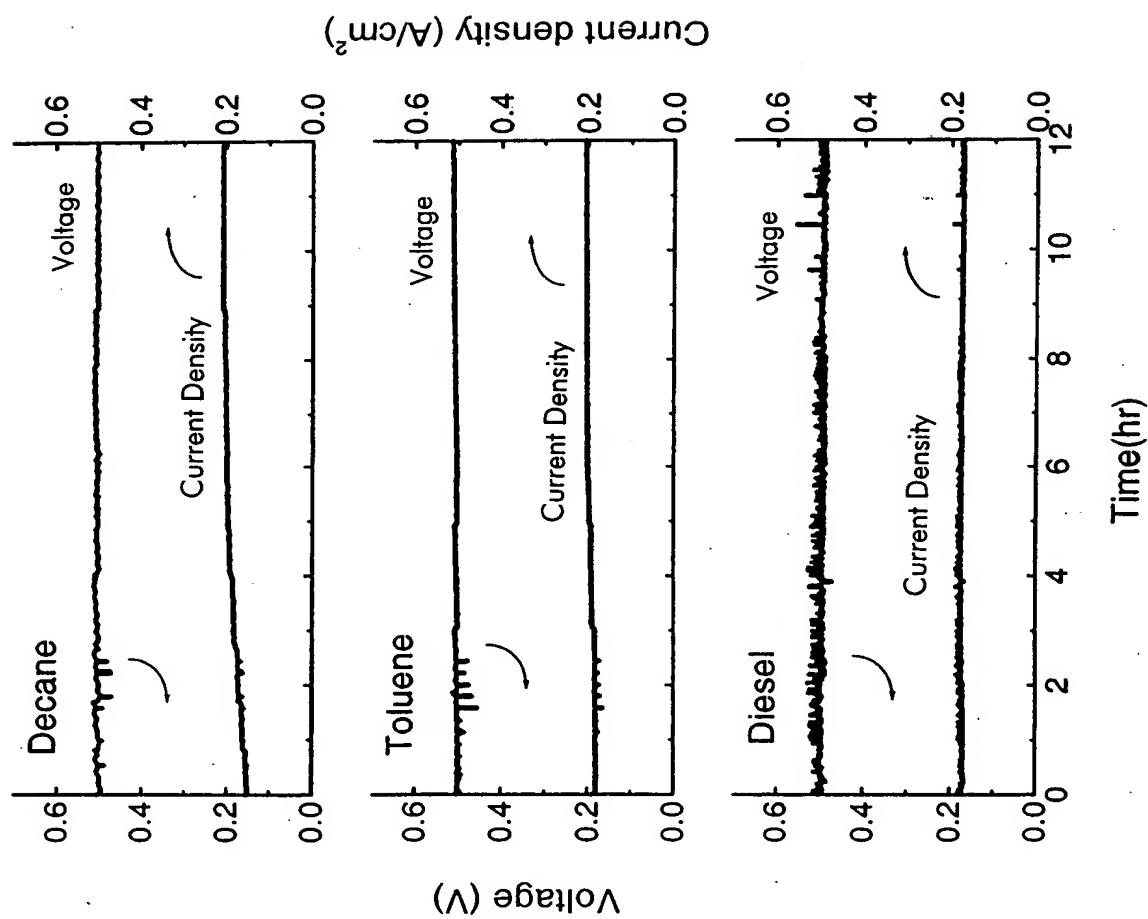


FIGURE 5

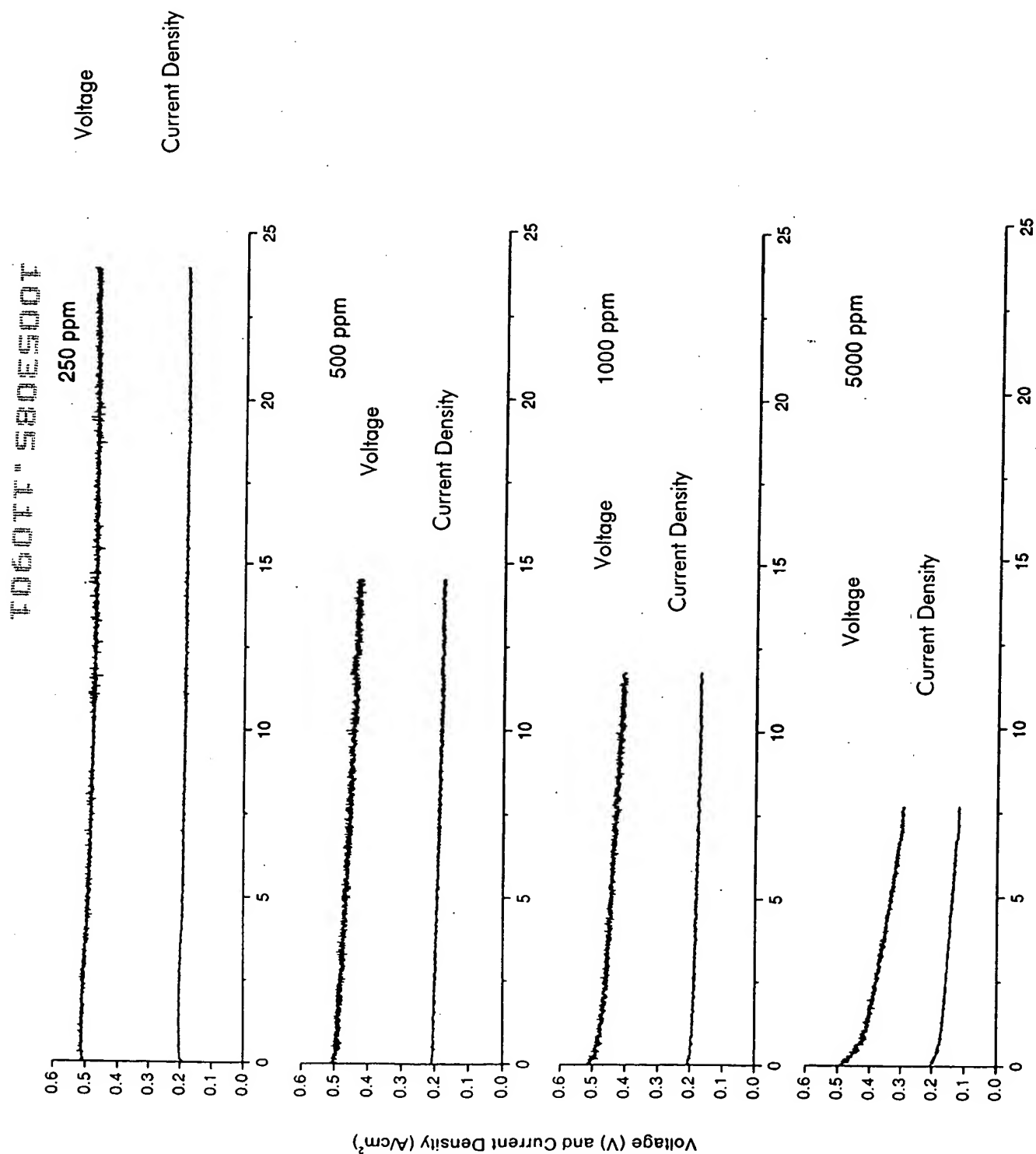


FIGURE 6

1005901 "SBOES00F"

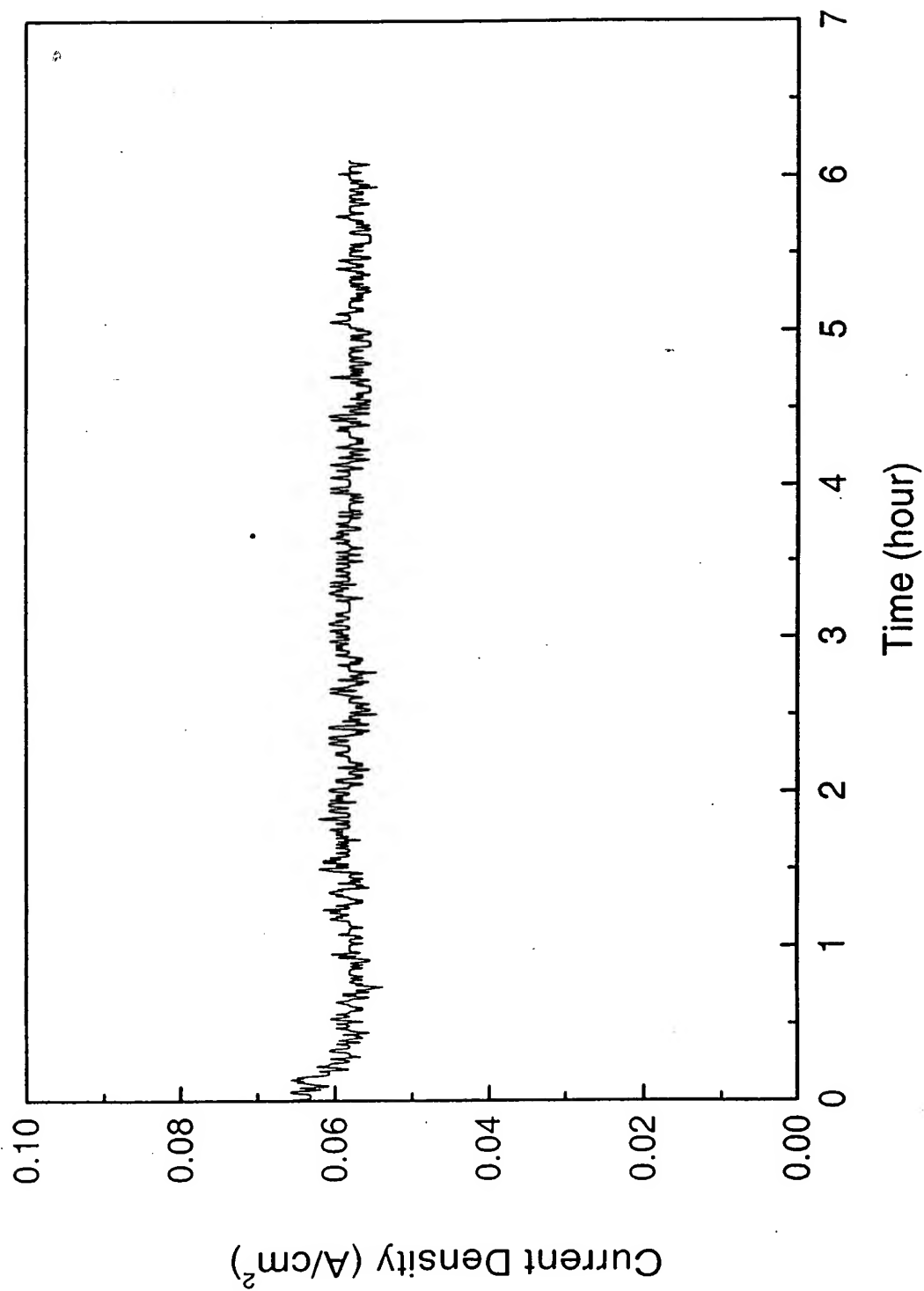


FIGURE 7

10053085 110901

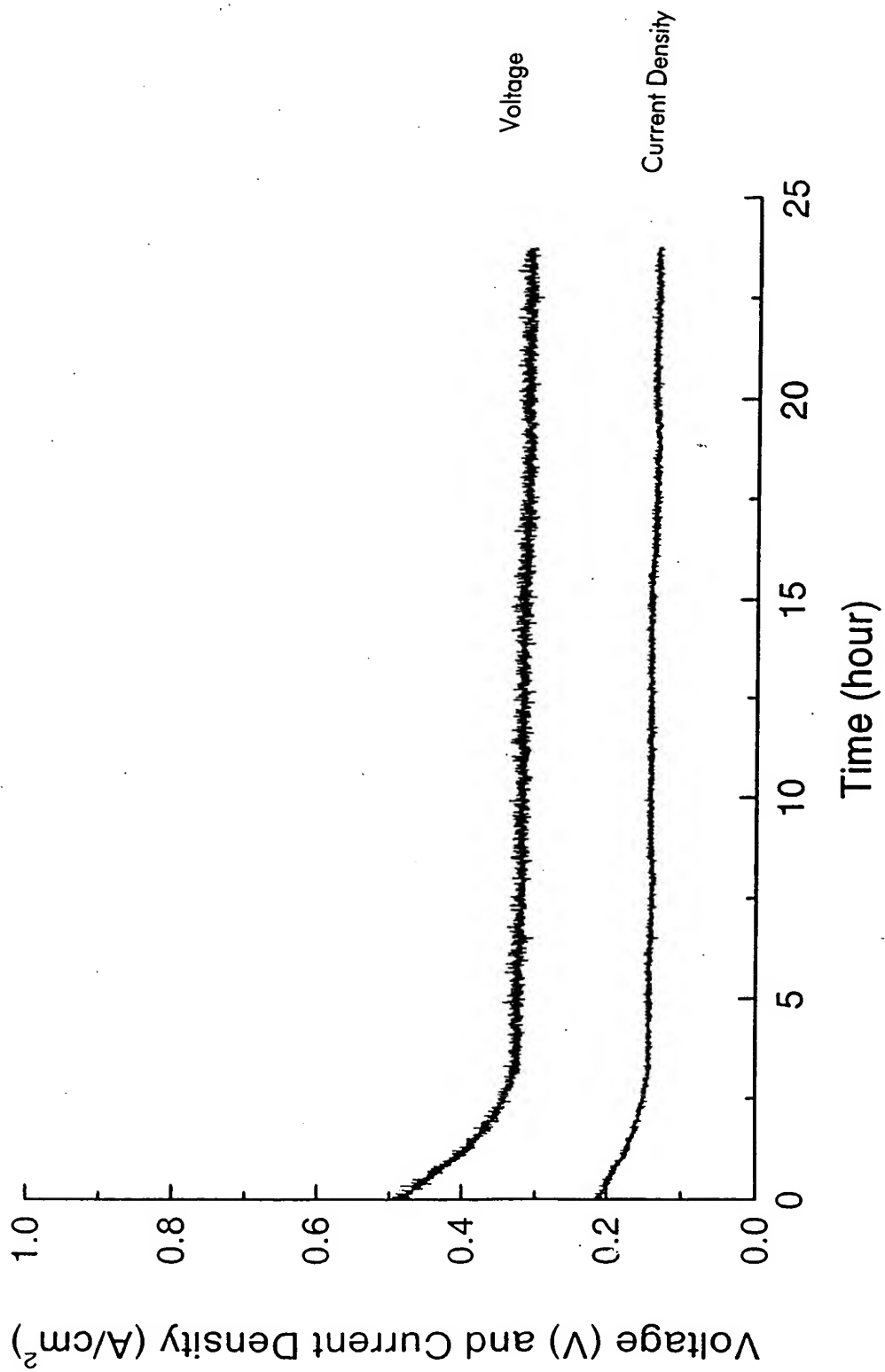


FIGURE 8

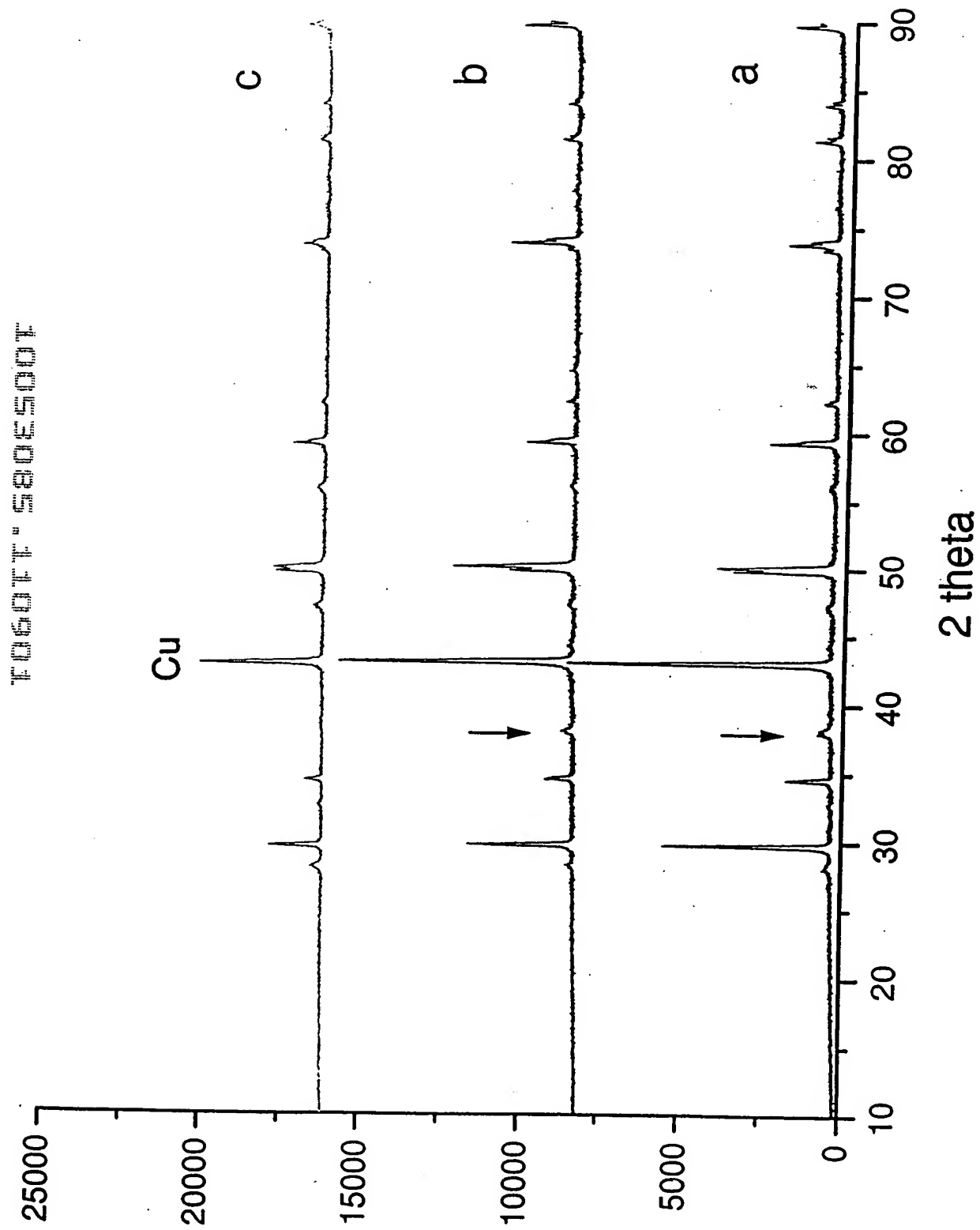


FIGURE 9

TOPOT "SBOES00T"

100% Gasoline

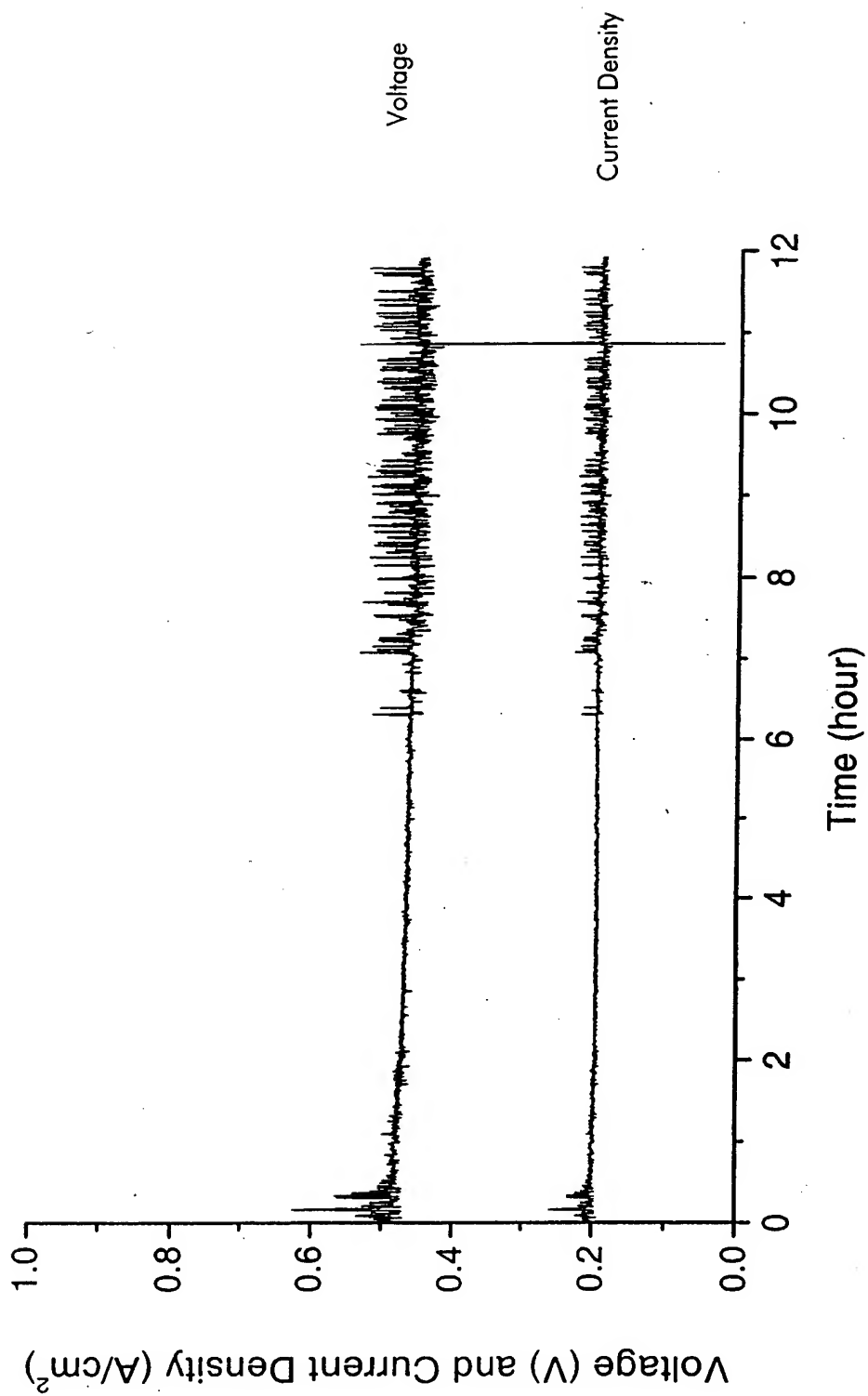


FIGURE 10

10053085 110901

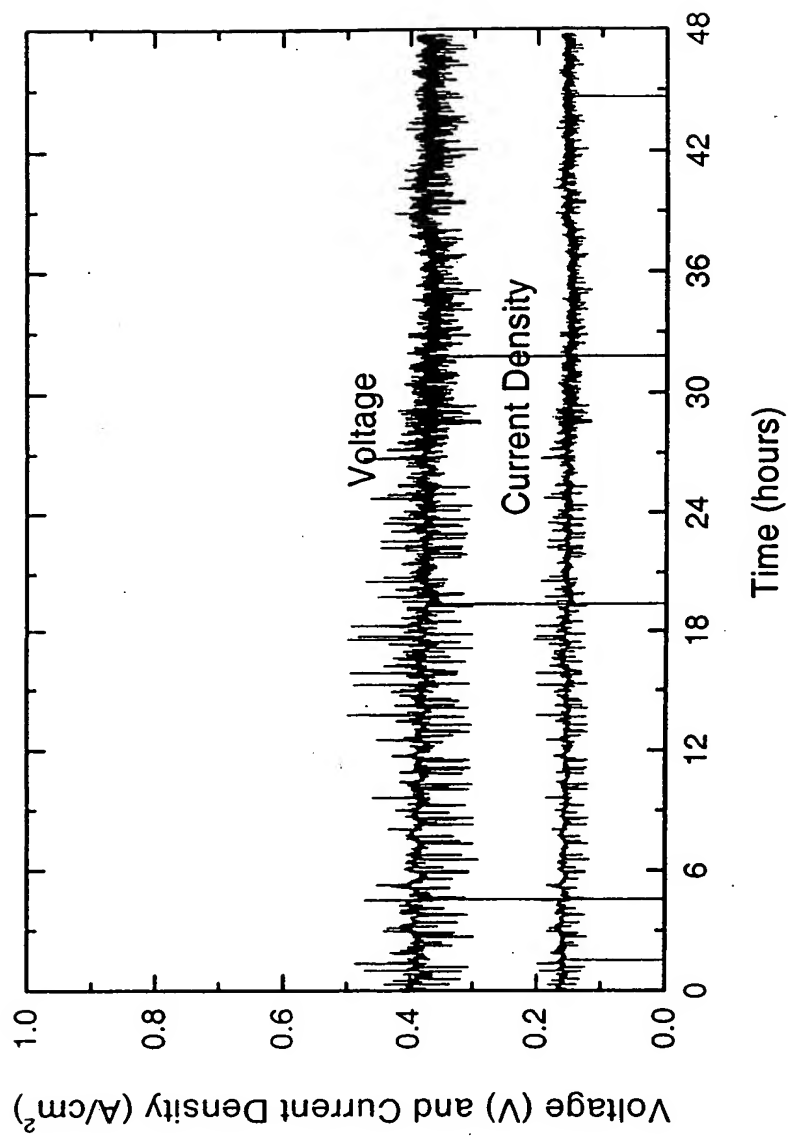


FIGURE 11

FOOT" S80ES00T

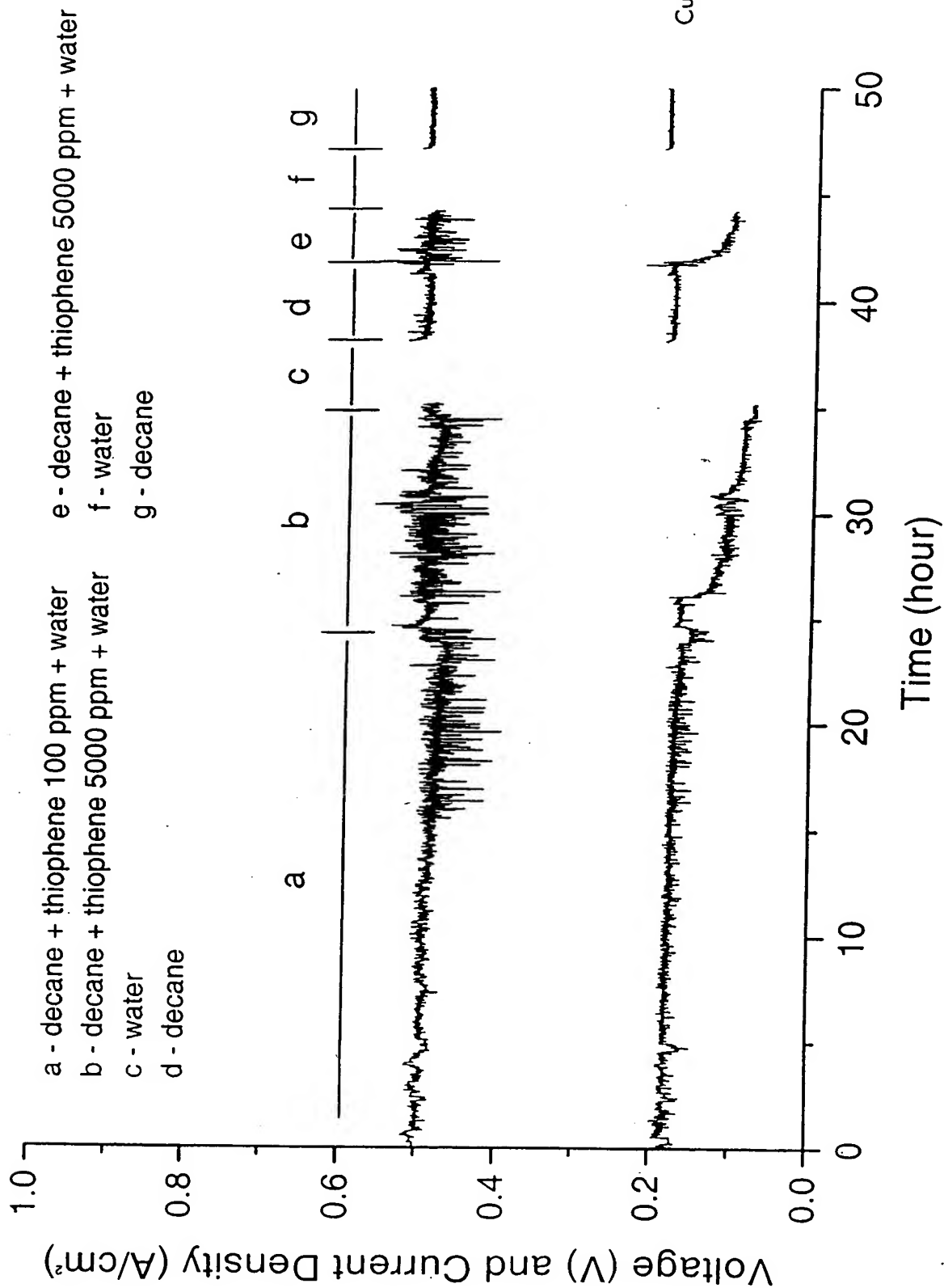


FIGURE 12

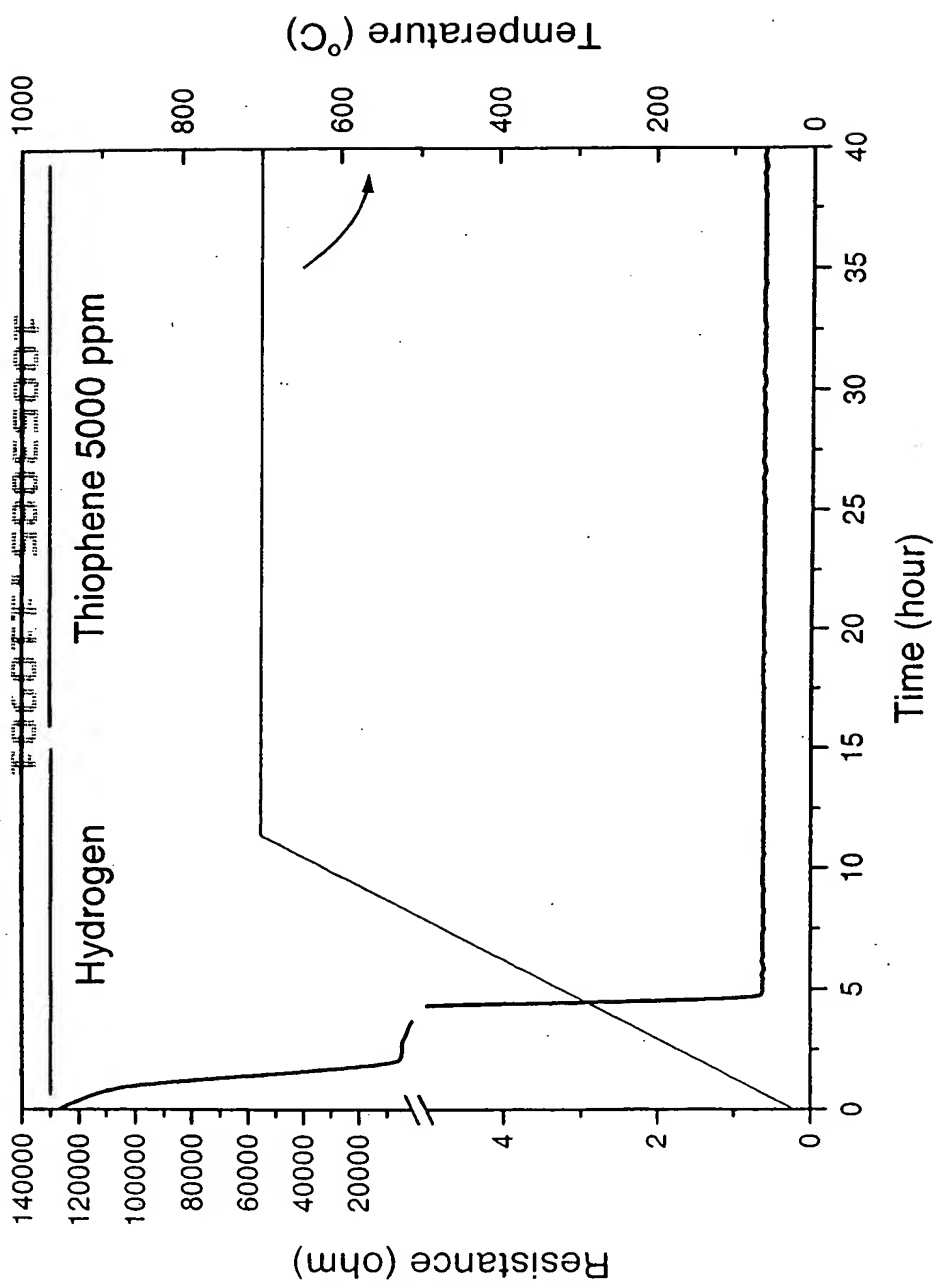


FIGURE 13

Cell made from 40%Ni/YSZ
cermet, after removal of Ni and
addition of ceria & Cu.

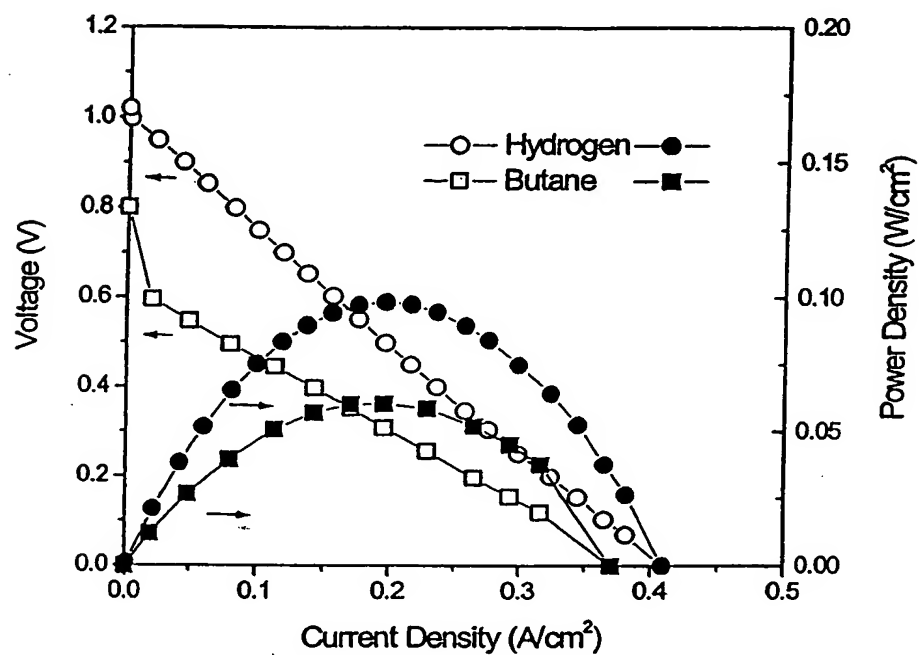


FIGURE 14